

DISCIPLINE: Confidentiality and Integrity

Discipline Roadmap for: Encryption (Database)

DOMAIN: SECURITY

Current	2 Years	5 Years	
<div><div>Baseline Environment</div><div><div>Products</div><div><div>•DbProtect (Application Security)</div><div>•Database Security Manager (RSA)</div><div>•The Encryptionizer (Netlib)</div><div>•MegaCryption (ASPG)</div><div>•Data Protection Systems (Protegrity)</div></div></div></div>	<div>Tactical Deployment</div>	<div>Strategic Direction</div> <div>Market Watch</div>	
		Shared	Agency ✓
<div>Retirement Targets</div> <div>None</div>	<div>Mainstream Platforms (must be supported)</div>		
<div>Containment Targets</div> <div>None</div>		<div>Emerging Platforms</div> <div>Market Watch</div>	
<div>Implications and Dependencies</div> <div>▪ Potential pitfalls are all over the place with this area but are counter-weighted by compliance issues and possible risk of unintentional exposure of constituent data</div>			
<div>Roadmap Notes</div> <div>• Consideration needs to be given to how important the protected data is with an eye towards three options: bulk encryption, middleware encryption, all the way to row level encryption with hardware (possibly the TPM) key storage</div>			

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■ **Discipline Boundaries:**

- Database Encryption

■ **Discipline Standards:**

- None

■ **Migration Considerations:**

- Non-Trivial Architectural Considerations

■ **Exception Considerations:**

- Individual Agencies may have needs that require something beyond what is listed here

■ **Miscellaneous Notes:**

- None

■ **Established**

- March 26, 2008

■ **Date Last Updated:**

- March 26, 2008

■ **Next Review Date:**

- November 2009